

## **ABSTRACT**

A novel solution for cryopreservation of a tissue that includes water, a bio-compatible buffer, a cell-impermeant constituent, a cell-permeant constituent, and a radical scavenger is disclosed. The solution may be used to preserve the tissue for later transplantation in an animal, including human, host. The radical scavenger is believed to reduce damage to the tissue that could otherwise occur during sterilization with ionizing radiation.